

Interior Columbia Technical Recovery Team Meeting #3, December 10th, 2001, Boise ID

Members Present: Michelle McClure and Tom Cooney, Co-chairs, Paul Spruell, Charlie Petrosky, Fred Utter, Pete Hassemer, Howard Schaller and Rich Carmichael (Tele-conferenced)

Non-members Present: Angela Somma, NMFS; Phil Howell, USFS; Herb Pollard, NMFS; Vince Kozakiewicz, NMFS; Bert Bowler, Idaho Rivers United, Henry Carson, NMFS

- Updates:**
- 1) Status of funding for subcontracts to work on the six TRT products: Tom Cooney will contact members individually about their possible contributions.
 - 2) There are seven nominees under review to become new TRT members.
 - 3) The Recovery Science Review Panel will meet at the NWFSC the 3rd and 4th of January to discuss habitat and ESU viability. All TRT members are invited to attend. Contact Henry for security clearance.

Discussion of “Ideal World” population identification plan:

I: A fifth item should be added to the list: “historical populations assessment”. Attendees suggested the following sources for data on historical populations:

- 1) 1966 document regarding Spring/Summer Chinook (**Herb Pollard will produce**)
- 2) Reports from the 1940’s from ODFW and IDFG about actual and proposed Snake River projects
- 3) Spawning ground surveys by Thompson and Hobbes
- 4) Habitat and fish surveys, possibly by Donaldson and Pirtle, from the Oregon Game Commission Reports, 1940’s and 50’s.
- 5) Data from Idaho and N.E. Oregon collected around 1954 (**Charlie Petrosky to investigate**)
- 6) A June 2000 report by Batelle and the USGS about Fall Chinook historical spawning areas (**Howard Schaller to produce pdf file**)
- 7) 1896 Everman surveys
- 8) A USFWS report by Mullen on the Upper Columbia
- 9) The Fulton reports (**Schaller and Howell to investigate**)
- 10) A report by Dave Burns on Late Spawning Chinook (**Petrosky to investigate**)
- 11) References from the Chapman reports
- 12) Grand Coulee Mitigation reports

II: All members will continue to look for sources of salmonid scales for genetic analysis

III: An alternative to the “top down” hierarchical approach (starting with the entire basin and subdividing) could be the “bottom up” method, starting at the stream level. This method could be more conservative, because populations are presumed different until proven similar. General agreement to work from both directions.

IV: Another potential source for relevant data would be an inquiry letter sent to Universities nation wide that may have conducted research in the basin.

Discussion of possible sources to fill lack of data on stray rates:

- 1) 1996 IDFG report on Hatchery Chinook Smolt Clips (**Petrosky to investigate**)

- 2) Spawning grounds for Deschutes Steelhead hatchery stocks (**Carmichael to investigate**)
- 3) 1986 Wild John Day Chinook report by Lindsay, ODFW (**Carmichael**)
- 4) Lyons Ferry/Lower Granite Fall Chinook report, Lower Snake Comp. Plan

Presentation of Workgroup/Individual preliminary analyses:

- 1) Tom Cooney- Geographic distance between spawning grounds
- 2) Charlie Petrosky- Fork length at age distribution
- 3) Pete Hassemer- Smolt migration time comparison
- 4) Genetics Workgroup- Columbia basin chinook genetic distance tree

Discussion of the list of data types for population identification and viability goal setting produced at the last meeting.

I: The following data types should be added to the list:

- 1) Male to Female Ratio
- 2) Percent of Females Spawned
- 3) Life History: Temporal Distribution of Spawn Timing
- 4) Historical Morphometric Data (**Schaller to produce report**)

II: The following data types are prioritized for population identification, aside from genetic data:

- 1) Spatial/temporal distribution of spawning
- 2) Adult run timing
- 3) Age structure- length at age
- 4) Timing and number of redds
- 5) Run Reconstruction
- 6) Recruits per spawner
- 7) Morphometric Data
- 8) Straying Data
- 9) Rearing Patterns

Tasks and Sources for next meeting on prioritized data types, with emphasis on steelhead.

I: Spawning

- 1) **Pete Hassemer** to survey Idaho data
- 2) **Tom Cooney** to help with mid/upper Columbia
- 3) **Rich Carmichael** to research 1986+ Oregon streams data
- 4) SASSI and 1985 Stock Assessment Reports
- 5) Draft Recovery/Status review spawning area descriptions

II. Adult run timing

- 1) **Herb Pollard** to send Horton report to NWFSC team
- 2) Chapman Reports

III. Age Structure

- 1) **Charlie Petrosky** to query Idaho carcass database for length at age, sex ratio

IV. Redd counts

- 1) NWFSC team to do preliminary cross-comparisons

2) **Rich Carmichael** to survey Grande Ronde/Imnaha/John Day data

V. Percent Female

- 1) **Tom Cooney** to investigate Mid/Upper Columbia
- 2) **Howard Schaller** to check Oregon Data
- 3) **Charlie Petrosky** to look for Idaho Data

VI. Straying

- 1) John Day Study- Lindsay/Knox
- 2) Idaho Workshop on Chinook and Coho

VII. Morphometrics

- 1) NWFSC team to continue research
- 2) Winans Document

VIII. Genetics

- 1) Subgroup to refine chinook genetic distance tree and
- 2) Start on Steelhead data

IX. Juv. Migration

- 1) **Rich Carmichael** to pursue tables from unpublished Grande Ronde research

Other Tasks:

- 1) **Priority:** Create list of available Steelhead genetic data to determine what areas need to have data collected by contractors.
- 2) Create list of lakes that historically hosted Sockeye populations.

The deadline for tasks will be **January 31st**, 2002. The next meeting will be held on the 7th and 8th of February in the NMFS offices in Portland, starting at 10 am.